

# Comparisons of Job Characteristics

**Focus Occupation:** Life, Physical, and Social Science Technicians, All Other (19-4099)

**Associated Occupation:** Economists (19-3011)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 50

**Focus Occupation:** Life, Physical, and Social Science Technicians, All Other (19-4099)

**Associated Occupation:** Economists (19-3011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
English Language	11.2	18.9	11.7	<<	Extensive education and/or training may be required
Mathematics	9.2	17.9	12.8	<<	Extensive education and/or training may be required
Economics and Accounting	4.4	17.7	6.6	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	14.4	15.0	0	Current knowledge level may be sufficient
Law and Government	5.9	11.0	7.1	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 75

**Focus Occupation:** Life, Physical, and Social Science Technicians, All Other (19-4099)

**Associated Occupation:** Economists (19-3011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Critical Thinking	10.8	13.6	11.1	<	A higher skill level may be required
Complex Problem Solving	9.1	13.0	9.7	<<	Extensive development of skills in this area may be required
Writing	9.2	13.0	10.7	<	A higher skill level may be required
Mathematics	6.2	12.3	9.0	<<	Extensive development of skills in this area may be required
Judgment and Decision Making	9.4	12.0	10.1	<	A higher skill level may be required
Systems Analysis	6.5	11.5	9.2	<	A higher skill level may be required

Systems Evaluation	6.4	9.7	8.3	<	A higher skill level may be required
Operations Analysis	5.0	9.1	7.3	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 83			
Focus Occupation: Life, Physical, and Social Science Technicians, All Other (19-4099) Associated Occupation: Economists (19-3011)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	15.9	12.5	<<	Extensive improvement in abilities may be required
Written Expression	9.8	15.7	11.8	<<	Extensive improvement in abilities may be required
Oral Comprehension	12.5	14.8	13.0	<	Some improvement in abilities may be required
Written Comprehension	11.0	14.5	12.2	<	Some improvement in abilities may be required
Deductive Reasoning	10.6	13.2	12.0	0	Current ability level may be sufficient
Inductive Reasoning	10.2	12.5	11.8	0	Current ability level may be sufficient
Mathematical Reasoning	6.3	11.6	10.1	<	Some improvement in abilities may be required
Number Facility	6.3	11.3	8.8	<	Some improvement in abilities may be required
Fluency of Ideas	7.6	10.1	7.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

There are no common work activities.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 85
Focus Occupation: Life, Physical, and Social Science Technicians, All Other (19-4099) Associated Occupation: Economists (19-3011)		
Tools and Technologies	Exclusivity	
Business function specific software	1	
Computers	1	
Content authoring and editing software	1	
Data management and query software	1	
Development software	4	
Industry specific software	1	
Information exchange software	1	
Network applications software	1	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.